

Appendix D

Technical Review Checklist

General Information - Page 1 of 3

General Submittal Information

1. Development Name: _____
2. Water Distribution / Sanitary Sewer Addition Submittal form received: Yes _____ No _____
(Plan review shall not begin until the submittal form is received.)
3. Have copies of DOT / Utility rights-of-way permits and drawings been received:
Yes _____ No _____ NA _____
(Plans shall not be approved until all DOT / Utility rights-of-way permits and drawings are received.)
4. Have all off-site easements been received: Yes _____ No _____ NA _____
(Plans shall not be approved until all off-site easements are received.)
5. Has a copy of the Soil and Water Technical review been received from City of Locust Grove or the Georgia Soil and Water Conservation Commission: Yes _____ No _____ NA _____
(Plans shall not be approved until a copy of the Soil and Water Technical review is received.)

Notes to Design Engineer

1. Two (2) sets of plans are required to initiate the plan review process.
2. Four (4) sets of plans are required for plan approval.
3. Items marked "No" shall be submitted and/or corrected as indicated on checklist.
4. Items marked (redlined) on the plans shall be submitted and/or corrected as indicated.
5. Items marked "Yes" or "NA" (Not Applicable) require no further action.
6. Return redlined plans with each re-submittal.
7. As-built drawing shall be provided in digital format (Autocad 14 or as amended by the LGWSD) and one (1) reproducible hard copy.

Review by Engineering

Date

Review by Maintenance & Construction

Date

Review by General Services

Date

Comments _____

Appendix D

Technical Review Checklist

General Information - Page 2 of 3

General Plan Set Submittal Requirements

1. Yes___ No___: Two (2) sets of plans submitted.
2. Yes___ No___: Plans submitted with Cover Sheet.
3. Yes___ No___: Utility Locate Note on every sheet including the cover sheet.
4. Yes___ No___: Site Plan submitted showing the overall Development including all phases.
5. Yes___ No___ NA___: Grading Plan submitted.
6. Yes___ No___ NA___: Storm Water System Plan submitted.
7. Yes___ No___ NA___: Water Distribution System Plan submitted.
8. Yes___ No___ NA___: Water Distribution System Details and construction notes on separate sheet.
9. Yes___ No___ NA___: Sanitary Gravity Sewer System Plan submitted.
10. Yes___ No___ NA___: Sanitary Gravity Sewer System Profile submitted.
11. Yes___ No___ NA___: Sanitary Gravity Sewer System Details and construction notes submitted on separate sheet.
12. Yes___ No___ NA___: Lift Station Site Plan submitted.
13. Yes___ No___ NA___: Lift Station Electrical Site Plan submitted.
14. Yes___ No___ NA___: Lift Station Details and construction notes submitted.
15. Yes___ No___ NA___: Force Main Plan and Profile submitted
16. Yes___ No___ NA___: Force Main Details and construction notes submitted
17. Yes___ No___ NA___: Soil Erosion and Sedimentation Control Plan submitted.
18. Yes___ No___ NA___: Soil Erosion and Sedimentation Control Details and construction notes submitted.
19. Yes___ No___: Design Engineer/Surveyor seal with their signature across seal on every sheet including detail sheets. Note: Surveyor for residential on-site work only.

Comments

Appendix D

Technical Review Checklist

General Information - Page 3 of 3

Cover Sheet Requirements

1. Yes___ No___: Project Title shown.
2. Yes___ No___: Developer/Owner name, address, telephone and fax number shown.
3. Yes___ No___: Design Engineer name, address, telephone and fax number shown.
4. Yes___ No___: Name and telephone number of 24-hour Contact Person shown.
5. Yes___ No___: Source of Project Funding, agency name and project number shown.
6. Yes___ No___: Detailed Project Site Location Map with street names and North Arrow shown.
7. Yes___ No___: Drawing Sheet Index shown.
8. Yes___ No___ NA___: Symbol Legend shown.
9. Yes___ No___: Land Lot(s), District and City shown.

Site Plan Sheet Requirements

1. Yes___ No___: North Arrow shown.
2. Yes___ No___ NA___: Symbol legend shown.
3. Yes___ No___: Drawing scale shown.
4. Yes___ No___: Drawing to scale as shown.
5. Yes___ No___: Property owners' names adjacent to Development shown.
6. Yes___ No___: Number of lots or development units shown.

Comments _____

Appendix D

Technical Review Checklist

Water Distribution System Plan Sheet Requirements

1. Yes ___ No ___ NA ___ : Following statement included in water distribution system and/or sanitary sewer system notes: "The water distribution system and/or sanitary sewer system shall be installed in accordance with the approved plans and specifications contained within the LGWSD document titled, *Standard Specifications for Water Distribution Systems and Sanitary Sewer Systems*, Latest Edition.
2. Yes ___ No ___ NA ___ : Plans indicated prepared using the following state plane coordinate system. Horizontal: NAD 83/94, Vertical: NGVD 88, Grid Zone: GA West 1002.
3. Yes ___ No ___ : North Arrow shown.
4. Yes ___ No ___ : Drawing scale shown.
5. Yes ___ No ___ : Drawing to scale as shown.
6. Yes ___ No ___ NA ___ : Symbol legend shown.
7. Yes ___ No ___ NA ___ : Grading Plan shown in gray scale.
8. Yes ___ No ___ NA ___ : Storm Water System Plan shown in gray scale.
9. Yes ___ No ___ : Street(s) right(s)-of-way shown.
10. Yes ___ No ___ NA ___ : 100-year flood plain contour and associated elevation shown.
11. Yes ___ No ___ NA ___ : 25-foot State Waters Buffer shown.
12. Yes ___ No ___ NA ___ : 50-foot State Water Quality Critical Area shown.
13. Yes ___ No ___ NA ___ : Wetlands area shown.
14. Yes ___ No ___ NA ___ : The proposed system is not situated on a legally or illegally established landfill.
15. Yes ___ No ___ NA ___ : The proposed system will not service a structure situated over a legally or illegally established landfill.

Comments _____

Appendix D

Technical Review Checklist

Water Distribution System Requirements

1. Yes ___ No ___: Existing water main route shown and correct.
2. Yes ___ No ___: Existing water main pipe size shown and correct.
3. Yes ___ No ___ NA ___: Proposed water main/distribution system route shown.
4. Yes ___ No ___ NA ___: Proposed water design usage rate indicated for each connection.
5. Yes ___ No ___ NA ___: Structures requiring fire sprinkler systems are indicated.
6. Yes ___ No ___ NA ___: Fire sprinkler system design usage rate indicated.
7. Yes ___ No ___ NA ___: Connecting location of Development's proposed water main to existing water main shown and correct.
8. Yes ___ No ___ NA ___: Connecting location of Development's proposed single service connection to existing water main shown and correct.
9. Yes ___ No ___ NA ___: Note stating "Tapping saddle and tapping gate valve for connection to existing water main to be provided and installed by Developer.
10. Yes ___ No ___ NA ___: Proposed bore location(s) shown and correct.
11. Yes ___ No ___ NA ___: Proposed bore casing type, size, thickness and length shown and correct.
12. Yes ___ No ___ NA ___: Proposed water main located on north and/or east side(s) of street(s) and inside right(s)-of-way.
13. Yes ___ No ___ NA ___: Proposed water main pipe size, pipe material and pipe class shown and correct.
14. Yes ___ No ___ NA ___: Proposed water main depth indicated and correct.
15. Yes ___ No ___ NA ___: Proposed water main separated from sanitary sewer as follows. Horizontal separation: 10 foot min. Vertical separation: 18 inch min.
16. Yes ___ No ___ NA ___: Total length of pipe indicated and correct.

Comments _____

Appendix D

Technical Review Checklist

- 17. Yes ___ No ___ NA ___ : Total number of fire hydrants indicated and correct.
- 18. Yes ___ No ___ NA ___ : Note stating "Water main pipe shall not be installed until curb and gutter is installed." shown.
- 19. Yes ___ No ___ NA ___ : Proposed water meter/backflow assembly and associated easement for single service shown and correct. 20 ft by 30 ft minimum easement if assembly
- 20. Yes ___ No ___ NA ___ : Proposed water meter/backflow assembly and associated easement for single service shown and correct. 20 ft by 30 ft minimum easement if assembly not within street right-of-way.
- 21. Yes ___ No ___ NA ___ : Proposed fire meter/backflow assembly and associated easement for single service shown and correct. 20 ft by 30 ft minimum easement if assembly not within street right-of-way.
- 22. Yes ___ No ___ : Structure(s) not within proposed easement(s). Structures shall not be located in any easement.
- 23. Yes ___ No ___ NA ___ : Proposed service connection(s) location(s) to proposed water main shown and correct.
- 24. Yes ___ No ___ NA ___ : Note indicating "Water service connections to water main and service lines to be installed by the Developer".
- 25. Yes ___ No ___ NA ___ : Existing fire hydrant(s) shown and location(s) correct.
- 26. Yes ___ No ___ NA ___ : Proposed fire hydrant(s) shown and location(s) correct.
- 27. Yes ___ No ___ NA ___ : Proposed fire hydrant(s) spacing correct as measured along edge of pavement and as follows. Residential maximum spacing: 500 feet, Commercial maximum spacing: 300 feet.
- 28. Yes ___ No ___ NA ___ : Proposed fire hydrant in cul-de-sac shown and location correct.
- 29. Yes ___ No ___ NA ___ : Gate valves shown and valve size correct at proposed fire hydrants.
- 30. Yes ___ No ___ NA ___ : Proper hydrant lead pipe size, pipe material and pipe class from water main.
- 31. Yes ___ No ___ NA ___ : Proper location and number of valves at proposed main intersections shown.

Comments _____

Appendix D

Technical Review Checklist

Water Distribution - Page 4 of 4

- 32. Yes ___ No ___ NA ___ : Underground Utilities Locations Detail shown and conforms to LGWSD requirements.
- 33. Yes ___ No ___ NA ___ : Long Side Service Detail shown and conforms to LGWSD requirements.
- 34. Yes ___ No ___ NA ___ : Fire Hydrant Detail shown and conforms to LGWSD requirements.
- 35. Yes ___ No ___ NA ___ : Fire Hydrant in Cul-de-sac Detail shown and conforms to LGWSD requirements.
- 36. Yes ___ No ___ NA ___ : Valve Box Detail shown and conforms to LGWSD requirements.
- 37. Yes ___ No ___ NA ___ : Pipe Depth at Edge of Pavement Detail shown and conforms to LGWSD requirements.
- 38. Yes ___ No ___ NA ___ : Pipe Bedding Detail shown and conforms to LGWSD requirements.
- 39. Yes ___ No ___ NA ___ : Thrust Block Dimensions Detail shown and conforms to LGWSD requirements.
- 40. Yes ___ No ___ NA ___ : Thrust Restraint at Fitting Detail shown and conforms to LGWSD requirements.
- 41. Yes ___ No ___ NA ___ : Residential Water Meter and Meter Box Detail shown and conforms to LGWSD requirements.
- 42. Yes ___ No ___ NA ___ : Commercial Domestic Water Meter Detail shown and conforms to LGWSD requirements.
- 43. Yes ___ No ___ NA ___ : Fire Meter Detail shown and conforms to LGWSD requirements.
- 44. Yes ___ No ___ NA ___ : Combination Domestic/Fire Water Meter Detail shown and conforms to LGWSD requirements.
- 45. Yes ___ No ___ NA ___ : Water Meter Vault Detail shown and conforms to LGWSD requirements.

Comments

Appendix D

Technical Review Checklist

Sanitary Sewer - Page 1 of 4

Sanitary Gravity Sewer System Plan Sheet Requirements

1. Yes ___ No ___ NA ___ : Following statement included in water distribution system and/or sanitary sewer system notes: "The water distribution system and/or sanitary sewer system shall be installed in accordance with the approved plans and specifications contained within the LGWSD document titled, *Standard Specifications for Water Distribution Systems and Sanitary Sewer Systems*, Latest Edition.
2. Yes ___ No ___ NA ___ : Plans indicated prepared using the following state plane coordinate system. Horizontal: NAD 83/94, Vertical: NGVD 88, Grid Zone: GA West 1002.
3. Yes ___ No ___ : North Arrow shown.
4. Yes ___ No ___ : Drawing scale shown.
5. Yes ___ No ___ : Drawing to scale as shown.
6. Yes ___ No ___ NA ___ : Symbol legend shown.
7. Yes ___ No ___ NA ___ : Grading Plan shown in gray scale.
8. Yes ___ No ___ NA ___ : Storm Water System Plan shown in gray scale.
9. Yes ___ No ___ NA ___ : Street(s) right(s)-of-way shown.
10. Yes ___ No ___ NA ___ : Existing easement(s) shown.
11. Yes ___ No ___ NA ___ : Proposed easement(s) shown.
12. Yes ___ No ___ NA ___ : 100-year flood plain contour and associated elevation shown.
13. Yes ___ No ___ NA ___ : 25-foot State Waters Buffer shown.
14. Yes ___ No ___ NA ___ : 50-foot State Water Quality Critical Area shown.
15. Yes ___ No ___ NA ___ : Wetlands area shown.
16. Yes ___ No ___ NA ___ : The proposed system is not situated on a legally or illegally established landfill.
17. Yes ___ No ___ NA ___ : The proposed system will not service a structure situated over a legally or illegally established landfill.

Comments

Appendix D

Technical Review Checklist

Sanitary Sewer - Page 2 of 4

Sanitary Gravity Sewer System Requirements

1. Yes___ No___: Existing sanitary gravity sewer system route shown and correct.
2. Yes___ No___: Existing sanitary sewer gravity main size shown and correct.
3. Yes___ No___ NA___: Proposed Development with food service facility, car wash, and/or auto repair facility shown with grease/grit/oil interceptor. If yes or no, plans are to be reviewed by LGWSD Manager.
4. Yes___ No___ NA___: Proposed sanitary sewer gravity main route shown.
5. Yes___ No___ NA___: Connecting location of Development's proposed sanitary gravity sewer main to existing sanitary sewer manhole shown and correct.
6. Yes___ No___ NA___: Connecting location of Development's proposed sanitary gravity sewer main to existing sanitary gravity sewer main via "dog house" manhole shown and correct.
7. Yes___ No___ NA___: Connecting location of Development's proposed sanitary single service lateral connection (< 250 ft) to existing sanitary sewer manhole shown and correct.
8. Yes___ No___ NA___: Connecting location of Development's proposed sanitary single service lateral connection to existing sanitary gravity sewer main via tapping saddle shown and correct.
9. Yes___ No___ NA___: Proposed bore location(s) shown and correct.
10. Yes___ No___ NA___: Proposed bore casing type, size and length shown and correct.
11. Yes___ No___ NA___: Proposed sanitary single service lateral routes shown and less than 250 ft.
12. Yes___ No___ NA___: Proposed sanitary gravity sewer main located at the centerline of the street(s) right(s)-of-way and/or easement(s).
13. Yes___ No___ NA___: Proposed sanitary gravity sewer main pipe size, pipe material and pipe class shown and correct.
14. Yes___ No___: Structure(s) not within proposed easement(s). Structures shall not be located in any easement.

Comments _____

Appendix D

Technical Review Checklist

Sanitary Sewer - Page 3 of 4

- 15. Yes ___ No ___: Proposed sanitary sewer does not cross a lake, reservoir, pond or detention pond.
- 16. Yes ___ No ___: Proposed sanitary sewer does not cross over a water distribution main.
- 17. Yes ___ No ___ NA ___: Proposed dumpster pad drain does not discharge to sanitary sewer system.
- 18. Yes ___ No ___ NA ___: Slope of sewers between manholes shown and are calculated correctly.
- 19. Yes ___ No ___ NA ___: Slopes of sewers are within minimum and maximum LGWSD specifications.
- 20. Yes ___ No ___ NA ___: Ending sewer tangent(s) slopes are = or > 1.00%.
- 21. Yes ___ No ___ NA ___: Angle between influent and effluent sewers at manhole = or > 90°.
- 22. Yes ___ No ___ NA ___: Ductile iron pipe used at depths less than 4 feet and greater than 15 feet.
- 23. Yes ___ No ___ NA ___: Ductile iron pipe used over and under storm water sewers and water distribution piping.
- 24. Yes ___ No ___ NA ___: Proposed sanitary sewer separated from water main as follows. Horizontal separation: 10 foot min. Vertical separation: 18 inch min.
- 25. Yes ___ No ___ NA ___: A minimum coverage of 2 feet of soil exists when crossing a stream.
- 26. Yes ___ No ___ NA ___: A minimum coverage of 2 feet of soil exists when crossing a ditch.
- 27. Yes ___ No ___ NA ___: Flow arrows are shown along the proposed sewer main.
- 28. Yes ___ No ___: Existing manholes labeled.
- 29. Yes ___ No ___ NA ___: Proposed manholes numbered correctly.
- 30. Yes ___ No ___ NA ___: Sewer stubs to service adjacent properties shown.
- 30. Yes ___ No ___ NA ___: Manhole cover elevations shown and accurate to vertical scale.
- 31. Yes ___ No ___ NA ___: Manhole cover in paved area indicated to be set flush with finished pavement.

Comments

Appendix D

Technical Review Checklist

Sanitary Sewer - Page 4 of 4

- 32. Yes ___ No ___ NA ___ : Manhole cover in non-paved area indicated to be set a minimum of 12 inches above finished grade.
- 33. Yes ___ No ___ NA ___ : Manhole cover in 100-yr flood plain above flood plain elevation or cover shown as being with gasket and bolted down.
- 34. Yes ___ No ___ NA ___ : Manholes not situated in detention pond.
- 35. Yes ___ No ___ NA ___ : Manhole spacing is = or < 400 feet.
- 36. Yes ___ No ___ NA ___ : Manhole inlet and outlet invert elevations shown.
- 37. Yes ___ No ___ NA ___ : Inlet and outlet elevations accurate and accurate to vertical scale.
- 38. Yes ___ No ___ NA ___ : Inside drop manholes?
- 39. Yes ___ No ___ NA ___ : Outside drop manholes?
- 40. Yes ___ No ___ NA ___ : Dog house style manholes?
- 41. Yes ___ No ___ NA ___ : Is the following note indicated: "Detection tape or wire shall be installed above all non-ferrous pipe and all ferrous pipe having a bury depth of six (6) feet or more. Mylar detection tape or ferrous wire shall be installed two (2) feet below finished grade such that sewer and/or lateral can be detected after burial."
- 42. Yes ___ No ___ NA ___ : Pipe Bedding Detail shown and conforms to LGWSD requirements.
- 43. Yes ___ No ___ NA ___ : Sewer Service Connection Detail shown and conforms to LGWSD requirements.
- 44. Yes ___ No ___ NA ___ : Manhole Sections Detail shown and conforms to LGWSD requirements.

Comments _____

Appendix D

Technical Review Checklist

Lift Station Requirements

1. Yes ___ No ___: Lift station site area shown on sanitary sewer system plan sheet and site location acceptable.
2. Yes ___ No ___: Access road to lift station site area shown on sanitary sewer system plan sheet and acceptable.
3. Yes ___ No ___: Sanitary sewer route to lift station site area shown on sanitary sewer system plan sheet and acceptable.
4. Yes ___ No ___: Lift station force main route shown on sanitary sewer system plan sheet and acceptable.
5. Yes ___ No ___: Potable water supply route to lift station site area shown on sanitary sewer system plan sheet and acceptable.
5. Yes ___ No ___: Potable water supply pipe is situated a minimum of 10 feet from the gravity sanitary sewer and sewer force main route.
6. Yes ___ No ___: Electrical service route to lift station site area shown on sanitary sewer system plan sheet and acceptable.
7. Yes ___ No ___: Electrical service to lift station site shown as being overhead or underground and 3-phase power.
8. Yes ___ No ___ NA ___: The proposed system is not situated on a legally or illegally established landfill.
9. Yes ___ No ___ NA ___: The proposed system will not service a structure situated over a legally or illegally established landfill.
10. Yes ___ No ___ NA ___: Lift Station electrical and mechanical components are situated above the 100-year flood elevation.
11. Yes ___ No ___: Radio path survey and SCADA recommendations submitted and approved.
12. Yes ___ No ___: Lift station site plan submitted and drawn to scale.
13. Yes ___ No ___: A minimum 40-foot by 40-foot site area is shown for the lift station.
14. Yes ___ No ___: A minimum 60-foot by 60-foot easement area is shown for the lift station.

Comments

Appendix D

Technical Review Checklist

Lift Station - Page 2 of 4

- 15. Yes ___ No ___: Edge of easement area extends 10 feet beyond all sides of the site area (i.e. if site area is 40 feet by 45 feet, then easement area is 60 feet by 65 feet).
- 16. Yes ___ No ___: A minimum 12 foot wide paved access road is shown.
- 17. Yes ___ No ___: A minimum 20 foot wide easement is shown for the access road.
- 18. Yes ___ No ___: Lift station enclosure situated a minimum of 5-feet from fence and location within site area acceptable.
- 19. Yes ___ No ___: Lift station concrete slab dimensions shown and acceptable.
- 20. Yes ___ No ___: Emergency generator situated a minimum of 5-feet from fence and location within site area acceptable.
- 21. Yes ___ No ___: Emergency generator concrete slab dimensions shown and acceptable.
- 22. Yes ___ No ___: SCADA tower situated a minimum of 5-feet from fence and location within site area acceptable.
- 23. Yes ___ No ___: SCADA tower and mast height indicated on plan.
- 24. Yes ___ No ___: Potential surrounding houses will not interfere with radio signal path.
- 25. Yes ___ No ___: Electrical stand situated a minimum of 5-feet from fence and location within site area acceptable.
- 26. Yes ___ No ___: Area security light location within site area acceptable.
- 27. Yes ___ No ___: Yard hydrant location within site area acceptable.
- 28. Yes ___ No ___ NA ___: Ground elevation is shown and is the same along the edges of the site.
- 29. Yes ___ No ___: Lift station site area shown with gravel and sloped away from wet well in accordance with LGWSD requirements.
- 30. Yes ___ No ___: Site area enclosed with 6-foot high fence with 12-foot double swing gate.
- 31. Yes ___ No ___: Plug valve shown in force main shown and within fenced site area.
- 32. Yes ___ No ___: Area between fence and edge of easement landscaped and materials acceptable.

Comments

Appendix D

Technical Review Checklist

- 33. Yes ___ No ___: Electrical site plan submitted and drawn to scale.
- 34. Yes ___ No ___: Underground conduit routes to lift station components shown.
- 35. Yes ___ No ___: Below grade conduit shown as being rigid, schedule 40 PVC or galvanized steel.
- 36. Yes ___ No ___: At grade and above grade conduit shown as being galvanized steel.
- 37. Yes ___ No ___: Lift station pumps and housing detail submitted and conforms to LGWSD requirements.
- 38. Yes ___ No ___: Pump size and motor horsepower indicated on lift station pumps and housing detail.
- 39. Yes ___ No ___: Total Dynamic Head calculation submitted and correct.
- 40. Yes ___ No ___: Lift station system's operating curve plotted onto manufactures' pump performance curve.
- 41. Yes ___ No ___: A minimum 6-foot diameter wet well provided for lift station and shown on lift station wet well detail that conforms to LGWSD requirements.
- 42. Yes ___ No ___ NA ___: Wet well buoyancy calculation submitted and correct.
- 43. Yes ___ No ___: Lift station cycle time calculation submitted and each pump operates for 2 (two) to 5 (five) minutes per cycle and each pump starts/stops 3 to 5 times per hour.
- 44. Yes ___ No ___: Lead Pump On elevation shown and correct on lift station wet well detail that conforms to LGWSD requirements.
- 45. Yes ___ No ___: Lead Pump Off/Lag Pump Off elevation shown and correct on lift station wet well detail that conforms to LGWSD requirements.
- 46. Yes ___ No ___: High Water Alarm/Lag Pump On elevation shown and correct on lift station wet well detail that conforms to LGWSD requirements.
- 47. Yes ___ No ___: Generator kilowatt rating calculation shown and correct.
- 48. Yes ___ No ___: Generator transfer switch amp rating shown and correct.
- 49. Yes ___ No ___: Does lift station require flow meter?

Comments _____

Appendix D

Technical Review Checklist

Lift Station - Page 4 of 4

- 50. Yes ___ No ___ : SCADA tower base detail shown and conforms to LGWSD requirements.
- 51. Yes ___ No ___ : Electrical panel stand detail shown and conforms to LGWSD requirements.
- 52. Yes ___ No ___ : Lift station by-pass valve configuration detail shown.
- 53. Yes ___ No ___ : Lift Station Pump and Housing Detail shown and conforms to LGWSD requirements.
- 54. Yes ___ No ___ : Lift Station Wet Well Detail shown and conforms to LGWSD requirements.
- 55. Yes ___ No ___ : Lift Station Wet Well Detail shown and conforms to LGWSD requirements.
- 56. Yes ___ No ___ : Wet well lining material indicated.
- 57. Yes ___ No ___ : Yard Hydrant Detail shown and conforms to LGWSD requirements.
- 58. Yes ___ No ___ : Chain Link Fence Detail shown and conforms to LGWSD requirements.

Comments _____

Appendix D

Technical Review Checklist

Force Main - Page 1 of 1

Force Main

1. Yes ___ No ___: Proposed force main route shown and acceptable.
2. Yes ___ No ___: Proposed force main 20 foot easement shown.
3. Yes ___ No ___: Structure(s) not within proposed easement(s). Structures shall not be located in any easement.
4. Yes ___ No ___: Force main depth indicated and correct.
5. Yes ___ No ___: Force main profile shown and correct.
6. Yes ___ No ___: Proper location and minimum spacing of combination air/vacuum release valve(s).
7. Yes ___ No ___: Proper type, size and model number of combination air/vacuum release valve(s) indicated.
8. Yes ___ No ___: Proposed discharge point shown.
9. Yes ___ No ___ NA ___: Proposed bore location(s) shown and correct.
10. Yes ___ No ___ NA ___: Proposed bore casing type, size and length shown and correct.
11. Yes ___ No ___: Proposed force main pipe size, pipe material and pipe class shown and correct.
12. Yes ___ No ___: Pipe Depth at Edge of Pavement Detail shown and conforms to LGWSD requirements.
13. Yes ___ No ___: Pipe Bedding Detail shown and conforms to LGWSD requirements.
14. Yes ___ No ___: Thrust Block Dimensions Detail shown and conforms to LGWSD requirements.
15. Yes ___ No ___ NA ___: Thrust Restraint at Fitting Detail shown and conforms to LGWSD requirements.
16. Yes ___ No ___ NA ___: Combination Air/Vacuum Release Valve shown and conforms to LGWSD requirements.
17. Yes ___ No ___ NA ___: Manhole at force main discharge point and next downstream manhole shown to be lined or coated.

Comments
